

#### ABSTRACT OF THE DISCLOSURE

In an air conditioner for a vehicle having a temperature-controlled apparatus such as a fuel cell system, a heater core heats air by using unnecessary thermal energy from the fuel cell system. Further, a switching valve is controlled to switch between a first circuit and a second circuit. Cooling water is circulated between the heater core and the fuel cell system in the first circuit, and passes through the heater core while bypassing the fuel cell system in the second circuit. When a cooling water temperature flowing from the heater core is lower than a cooling water temperature from the fuel cell system, the switching valve is controlled by a control unit to select the first circuit. Accordingly, the heater core can effectively use the unnecessary thermal energy from the fuel cell system.